PATENT COOPERATION TREA

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
B0045WO		
International application No.	International filing date *(day/month/year)*	(Earliest) Priority Date *(day/month/year)*
PCT/EP 00/09136	18/09/2000	16/09/1999
Applicant		
WARNER-LAMBERT COMPANY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

[X] It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language,** the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

[ ] the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

[ ] contained in the international application in written form.

[ ] filed together with the international application in computer readable form.

[ ] furnished subsequently to this Authority in written form.

[ ] furnished subsequently to this Authority in computer readble form.

[ ] the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

[ ] the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. [ ] **Certain claims were found unsearchable** (See Box I).

3. [ ] **Unity of invention is lacking** (see Box II).

4. With regard to the **title,**

[ ] the text is approved as submitted by the applicant.

[X] the text has been established by this Authority to read as follows:

SCREENING FOR ALPHA2DELTA-1 SUBUNIT BINDING LIGANDS

5. With regard to the **abstract,**

[X] the text is approved as submitted by the applicant.

[ ] the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. 1

[ ] as suggested by the applicant.

[X] because the applicant failed to suggest a figure.

[ ] because this figure better characterizes the invention.

[ ] None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 00/09136

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/68 G01N33/94 C07K14/705

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HOFMANN F ET AL: "Voltage-dependent calcium channels: From structure to function." REVIEWS OF PHYSIOLOGY BIOCHEMISTRY AND PHARMACOLOGY, vol. 139, 1999, pages 33-87, XP000998424 1999 Springer-Verlag;Springer-Verlag New York, Inc. Heidelberger Platz 3, D-1000 Berlin, Germany; 175 Fifth Avenue, New York, New York 10010, USA ISBN: 3-540-65694-4 page 42, paragraph 3 -page 44, paragraph 1 --- -/--	10-19

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

'A' document defining the general state of the art which is not considered to be of particular relevance

'E' earlier document but published on or after the international filing date

'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

'O' document referring to an oral disclosure, use, exhibition or other means

'P' document published prior to the international filing date but later than the priority date claimed

'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

'&' document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
19 April 2001	11/05/2001

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hart-Davis, J

Form PCT/ISA/210 (second sheet) (July 1992)

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WITCHER DERRICK R ET AL: "Characterization of the purified N-type Ca-2+ channel and the cation sensitivity of omega-conotoxin GVIA binding." NEUROPHARMACOLOGY, vol. 32, no. 11, 1993, pages 1127-1139, XP002165606 ISSN: 0028-3908 page 1128, column 2, paragraph 5 -page 1129, column 1, paragraph 1 ---	10-19
A	BROWN JASON P ET AL: "Cloning and deletion mutagenesis of the alpha2delta calcium channel subunit from porcine cerebral cortex. Expression of a soluble form of the protein that retains (3H)gabapentin binding activity." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 39, pages 25458-25465, XP002165607 ISSN: 0021-9258 the whole document ---	1-30
A	WO 99 28342 A (SIBIA NEUROSCIENCES INC ;WILLIAMS MARK (US); HANS MICHAEL (US); HA) 10 June 1999 (1999-06-10) claims 1,6-8,22 ---	1,2, 10-19, 23-26, 29,30
A	WO 96 03122 A (WARNER LAMBERT CO) 8 February 1996 (1996-02-08) page 11, line 6 -page 13, line 9 ---	1-6, 20-30
P,A	WO 00 20450 A (WARNER LAMBERT CO ;MOLDOVER BRIAN (US); JOHNS MARGARET ANN (US); 0) 13 April 2000 (2000-04-13) page 34, line 9 -page 35, line 26; claim 17; example 1 ---	1-6, 20-30
A	BROWN JASON P ET AL: "Isolation of the (3H)gabapentin-binding protein/alpha2delta Ca2+ channel subunit from porcine brain: Development of a radioligand binding assay for alpha2delta subunits using (3H)leucine." ANALYTICAL BIOCHEMISTRY, vol. 255, no. 2, 15 January 1998 (1998-01-15), pages 236-243, XP002165608 ISSN: 0003-2697 cited in the application the whole document --- -/--	1-30

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WANG MINGHAN ET AL: "Structural requirement of the calcium-channel subunit alpha2delta for gabapentin binding." BIOCHEMICAL JOURNAL, vol. 342, no. 2, pages 313-320, XP000998401 ISSN: 0264-6021 the whole document	1-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP 00/09136

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 9928342	A	10-06-1999	AU	1802699 A	16-06-1999
			EP	1042468 A	11-10-2000
WO 9603122	A	08-02-1996	US	5792796 A	11-08-1998
			AU	703428 B	25-03-1999
			AU	3006995 A	22-02-1996
			AU	3236999 A	05-08-1999
			CZ	9700162 A	16-07-1997
			EP	0804182 A	05-11-1997
			HU	76835 A	28-11-1997
			JP	10503490 T	31-03-1998
			NZ	290050 A	30-08-1999
			PL	318268 A	26-05-1997
			SK	9097 A	06-05-1998
			ZA	9506229 A	11-03-1996
WO 0020450	A	13-04-2000	AU	1106500 A	26-04-2000